

**Figure 1A****Hum. anti-CD3 VL nt**

GACATCCAGAGTGACCCCAGTCTCCCATCCTCCCTGTGCATCTGGAGACAGAGTCACCATCA  
 CTTGCAGAGCAAGGTTCAAGCGTAAGCTACATGAATTGGTATCAGCAGACACCAGGAAAGCCCC  
 TAAGAGATGGATCTTACACATCCAAAGTGGCTTCTGGGTCCATCAAGGTTCAAGTGCAGTGGCAGT  
 GGATCTGGACAGATTACACTTACCATCAGCAGTCTGCACCTGAACCTGAAGATAATTGCAACTTACT  
 ACTGTCAAACAGTAGTGGAGTAGTAAACCCCTCACTTGCAGATCACC

**Hum. anti-CD3 VL AA**

DIQMTQSPSSLSASVGDRVITICRASSSVSYMNWYQQTPGKAPKRWIVYDTSSKVASGVPSREFSGS  
 GSGTDYTFITSIQPEDIAIYYCQQWSSNPLTEFGQGTKLQIT

**Hum. anti-CD3 VH nt**

CAGGTGCAGCTGGTGCAGTCTGGGGAGGGCGTGGCTGGGAGGTCCAGCCTGGGCTGGTCCAGGGAA  
 GTAAAGTCTTCTGGATAACACCTCACTAGGTATACGATGCACCTGGCTGGATTACATAAAATCAGAAGGTG  
 GGGGCTGGAGTGATTGGATAACATAAAATCCTAGCCGTGGTTATACTAAATTCTGCAAAATGGACAGCC  
 AAGGACCCGATTCAACCCTCCAGAGACAACACTCCAAGAACACCCGCTTGAGATATTGATGATCATTACTGCCTGA  
 TGAGACCCGAGGACACGGCACGCCACCGGTCAACCGTCTCCTCA

**Figure 1A (cont.)****Hum. anti-CD3 VH AA**

QVQLVQSGGGVVQPGRSLRLSCKSSGGYTFTRYTMHWVRQAPGKGLEWIGYINPSRGYTNYNQKV  
KDRFTTISRDNSKNTAAFLLQMDSLRRPEDTGVYFECARYYDDHYCLLDYWGQGTPVTVSS

**Figure 1B**

TGTACACTCCGATATCCAGCAGCTGCCAAAGTGGTATTGATGGTAGTTGAACTGGTACCAACAGATTCCAGG  
CTCCTGCAAGGCCAACCTCATCTATGCATCCAATCTAGTTCTGGATCCCACCCAGGTTAGTGGCAG  
ACAGCCACCCAAACTCCTCATCTATGCATCCAATCTAGTTCTGGATCCCACCCAGGTTAGTGGCAG  
TGGGTCTGGGACTTCACCATCCATCCATCCGACTCCCGTGGGATGGGAGGAAAGGTGGCTGCTGCAACCTATCACTGTCA  
GCAAAGTACTGAGGATCCGGATCCCGTGGGATGGGAGGAAAGGTGGCTGCTGCAACCTATCACTGTCA  
CGGGCGGCTCCGGTGGGTCTCAGGTGCAGCAGCTGGAGATCAAAGGTGGCTGAGGCTGAGGCTCTGG  
GTCCTCAGTGAAGATTCTGGCAAGGCTTCTGGAGCAGATTGGACAGATTGGACAGATTGGAGATGGATACTA  
GAGGCTGGACAGGGTCTTGAGTGGATTGGACAGATTGGACAGATTGGACAGATTGGAGATGGATACTA  
GTTCAAGGGTAAGCCACTCTGACTCCAGGACTACGACGGGAGACTACGACGGTAGGCCATTACATGGCA  
ATCTGAGGACTCTGGGTCTTGTGCAAGACGGGACCACCGTGGCTGGGCTGGGAGGTTATTA  
GGACTACTGGGCCAAGGGACCACGGTCACCGTCCGGCTGGGAGGTCCGGCTGGGAGGTGGCTGGG  
GTCTGGGGAGGGCTGGTCCAGGCTGGGAGGTCCAGGCTGGGAGGTGGCTGGGAGGTGGCTGGG  
TAGGTATACTGCAACTGGGACTCCGGTGGTGGGAGGTGGCTGGGAGGTGGCTGGGAGGTGGCTGGG  
CCGTGGTTACTATAATTCAAGGACCGATTCAACCATTCCAGAGACAACCTCCAGAGACA  
GGCTTCTGCAATTGGACACGGGACACGGGACTGGGACTATTGGGGCAGGGTGGCTGGGAGGTGGCTGGG  
TCATTACTGCCCTGACTATTGGGGCAGGGCACCCGGTCACCGTCTCCCTCAGTCGAAGGTGGAGG  
TTCTGGTAGGGAGGTGGAGGTCAAGGTGGGAGGTGGCTGGGAGGTGGCTGGGAGGTGGCTGGG  
ATCTGTTAGGAGACAGGACTCACCATTGGATGGCTGGGAGGTGGCTGGGAGGTGGCTGGG  
GACACCAGGGAAAGCCCCCTAACACATCCAAAGTGGCTGGGAGGTGGCTGGGAGGTGGCTGGG  
CAGTGGCAGTGGATCTGGGACAGATTACACTCACCATTGGGAGGTGGCTGGGAGGTGGCTGGG  
CTACTGTCACACAGTGGAGTAGTAACCTTCAACCCCTCACTTCACCTAACGCTGGGAGGTGGCTGGG

**Figure 1B (cont.)**

DIQILTQSPASLAVSLGQRATISCKASQSVDYDGSYLNWYQQIPGQPPREFSGSGSG  
TDFTLNIHPVEKVDAATYHCQQQSTEDPWTFGGGTKLEIKGGGGGGSGGGSGVQLQQSGAEILVRPGSSV  
KISCKASGYAFSSYWMMNWVKQRPGQGLEWIGQIWPGRSLRSLQMDDSLQMTQSPSSLASVGDRVTITCRASSVSYMNWYQQTPG  
SAVYFCARRETTVGRYYAMDYWGQGTIVTVESSGGGSQVQLVQSGGGVVQPGRSLSCKSSGYTFTRYT  
MHWVRQAPGKGLEWIGYINPSRGYTNYNQKVKDRFTISRDN SKNTAFLQMTQSPSSLASVGDRVTITCRASSVSYMNWYQQTPG  
LDYWGQQGTPVTVSSVEGGSGGGSGGGSGVDDIQMTQSPSSLASVGDRVTITCRASSVSYMNWYQQTPG  
KAPKRWIYDTSKVAVSGVPSRFSGSGSGTDYTFTISSLQPEDIATYYCQQWSSNPLTFCQGTTKLQIT

**Figure 1C**

TGTACACTCCGAGCTCGTGAACACAGTCAGGACTCCATCTGGAGAAGGAGGAGGAACTACTTGACCTGGTACCGAGCAA  
GAGCTGCAAGTCCAGTCAGAGTCTGTTAACACAGTGGTAAACTGCTGATCTGACTGGGAATCTGGCTCCCTGATCGCTTCAC  
ACCAGGGCAGGCCCTCCTAAACTGTTGATCTACTGGGAATCCACTAGGGAATCTGGCTGAGACCTGGCAGTTATTAA  
AGGCAGTGGATCTGGAACACAGATTCACTCTCACCATCAGCAGTGTGCAGGCTGAAGACCTGGCAGTTATTAA  
CTGTCAAGAATGATTAGTTAGTATCCGGCTCACGTTCGGGCTGGTGGTTCTGAGGCTCGAGCTGCTGGAGTCAAAGGTGGCTGGT  
TTCTGGCGGGGACTTCAGTGAAGATAATCCGGCTCACGTTCTGGATACTGGGATTTGGAGATAATCCGGCTAGGTTG  
AAGGCCTGGGACTTCAGTGAAGATAATCCGGCTCACGTTCTGGGATTTGGAGATAATCCGGCTAGGTTG  
GGTAAGCAGAGGGCCTGGACATGGACTTGGGATTTGGAGATAATCCGGCTAGGTTG  
CAATGAGAAGTTCAAGGGCAAAAGCCACACTGGACTTGGGACTCTGGCTTCTGGCAAGGACTGGGACGGCCTATGGACTA  
TAGCCCTGACATTGAGGACTCTGGCTTCTGGCTTCTGGCAAGGACTGGGACTCTGGCTTCTGGCAAGGACTGGGACGGCCTATGGACTA  
CTGGGCAAGGGACCCACGGTCACCGTCCGGAGGTGGCTGGGACTCTGGCTTCTGGCAAGGACTGGGACTCTGGCTTCTGGCAAGGACTGGG  
GGGAGGGCTGGTCCAGGGCTCCGGCAGGCTCCAGGGTGGAGTGGGATTTGGGATAACATAAAATCCTAGCCGGTGA  
TACGGATGCACTGGGTCCAGGGCTCCAGGGTGGAGTGGGATTTGGGATAACATAAAATCCTAGCCGGTGA  
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TCTGCAAATGGACAGCAGCCTGAGAACCCGAGGACACGGGTGTGTATTCTGTGGGAGATAATTGATGATCATTA  
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AGGGAAAGCCCCCTAAGAGATGGATCTATGACACATCCAAGTGGGACTTCTGGGGTCCC  
CAGTGGATCTGGACAGATTACCACTCAGCAGTCTGCAACCTGCAACTTGCAGGAGGACCAAGGGCAGGCC  
TCAACAGTGGAGTAGTAAACCCCTCACTTTGGCCAGGAGGACCAAGCTGGCAGATCACC

**Figure 1C (cont.)**

ELVMTQSPSSLTVTAGEKVMSCKSSQSILLNSGNQKNYLTWYQQKPGQPPKLLIYWA  
STRESGVPDRTGSGSGTDFTLTISSVQAEDLAVYYCQNDYSYPLTFGAGTKLEIKGGGGSGGGSEV  
QVQLEQSGAELVRPGTSVKISCKASGYAFTNYWLGVWKQRPGHGLEWIGDIFPGSGNIHYNEKF  
KGKATLTAQKSSSTAYMQLSSLTFEDSAVYFCARLRNWDEPMMDYWGQGTTVTVSSGGGSQVQLV  
QSGGGVQGPGRSLRLSCKSSGTYFTRYTMHWVRQAPGKGLEWIGYINPSRGYTNYNQKV  
KDRFTISRDNSKNTAFLQMDSLRPEDTGVYFCARYYDDHYCLDWYGQGT  
PVTVSSVEGGSGGGSGGGVDDIQMTQSPSSLSASVGDRVTTITCRASSSVSYM  
NWYQQQTPGKA  
PKRWIYDTSKVASGVPSRFSGSGSGTDXTEFTISSLQPEDIATYCYCQQWSSNPLTE  
GQGTTKLIQIT

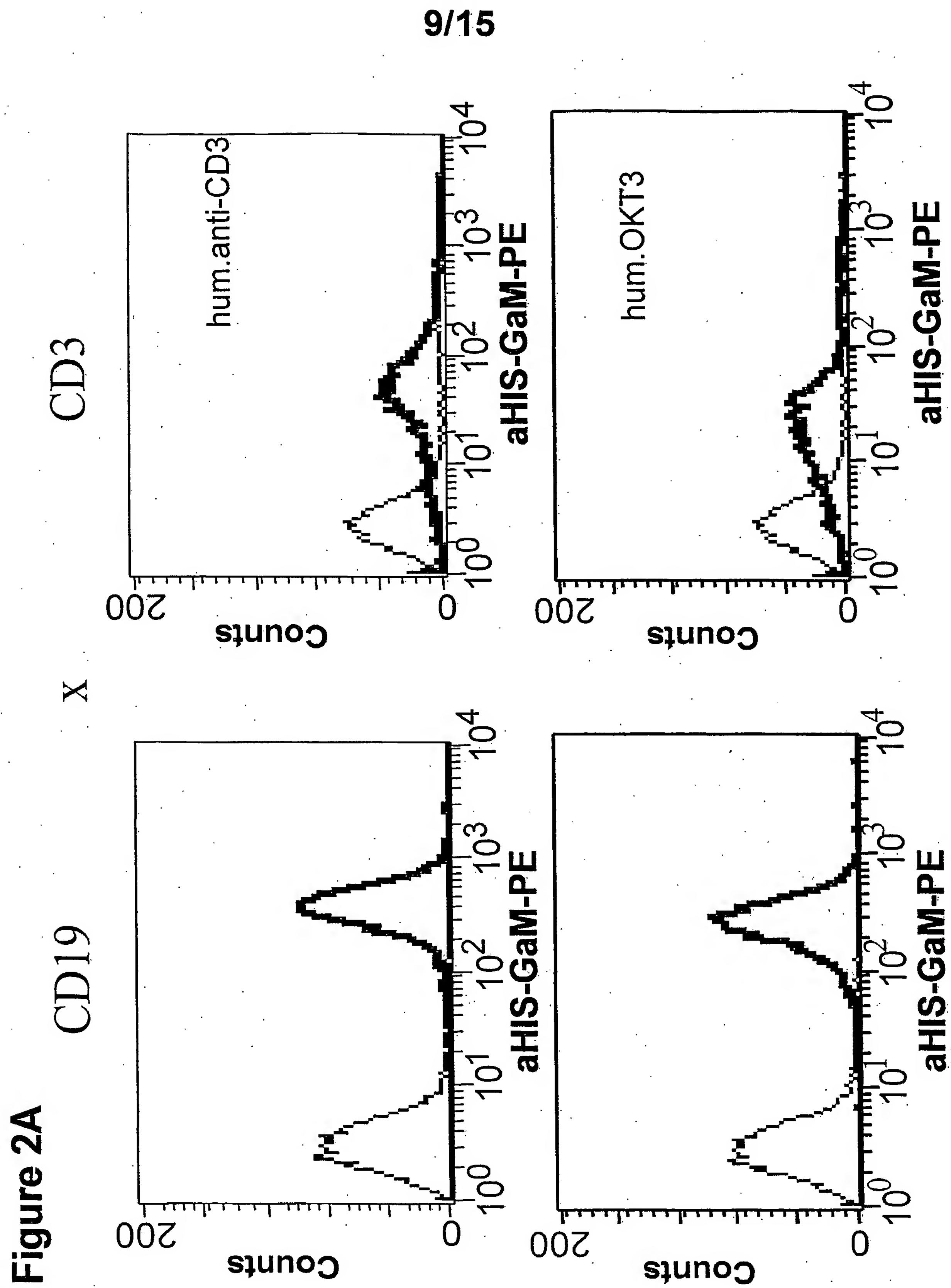
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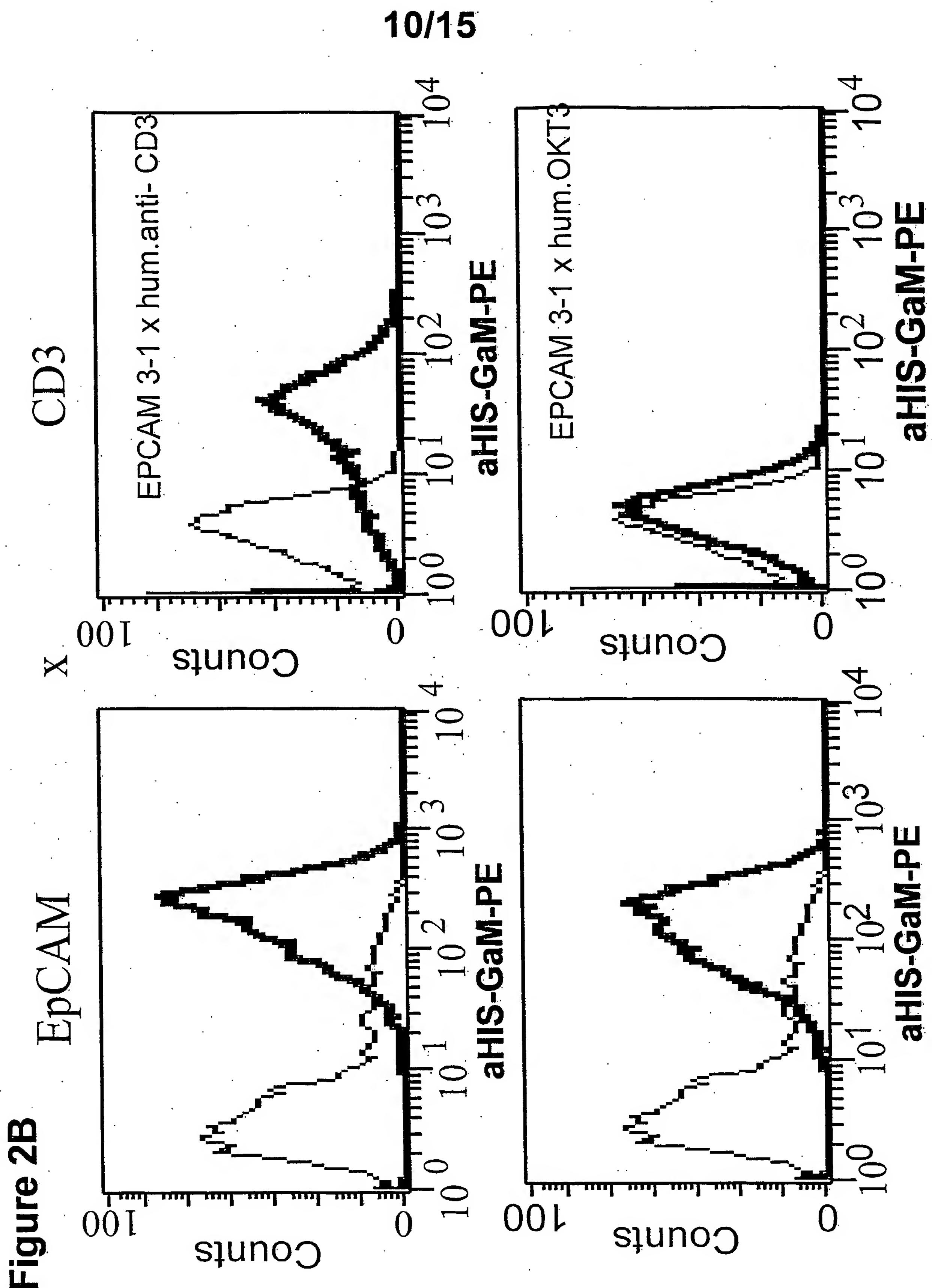
**Figure 1D**

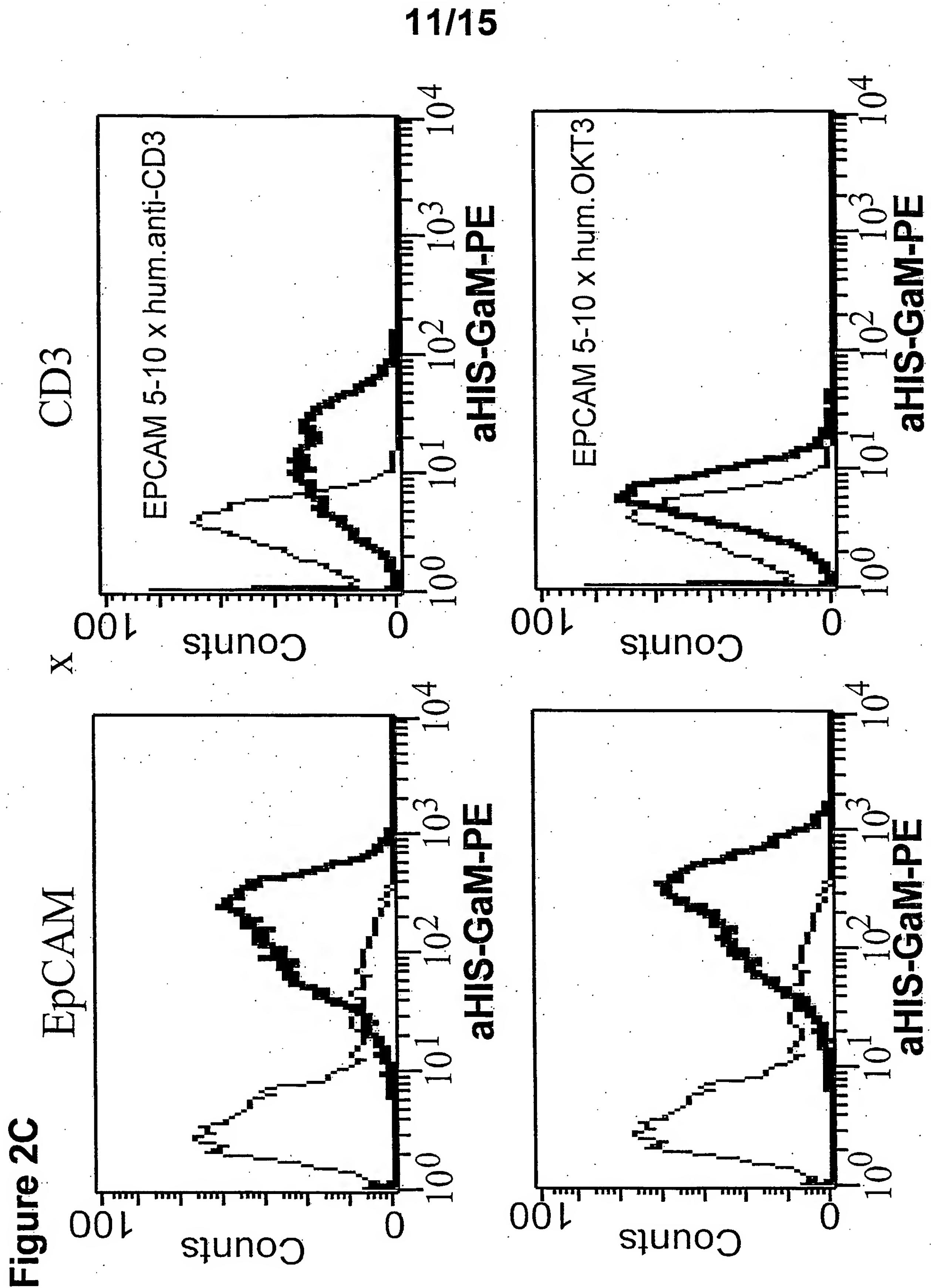
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**Figure 1D** (cont.)

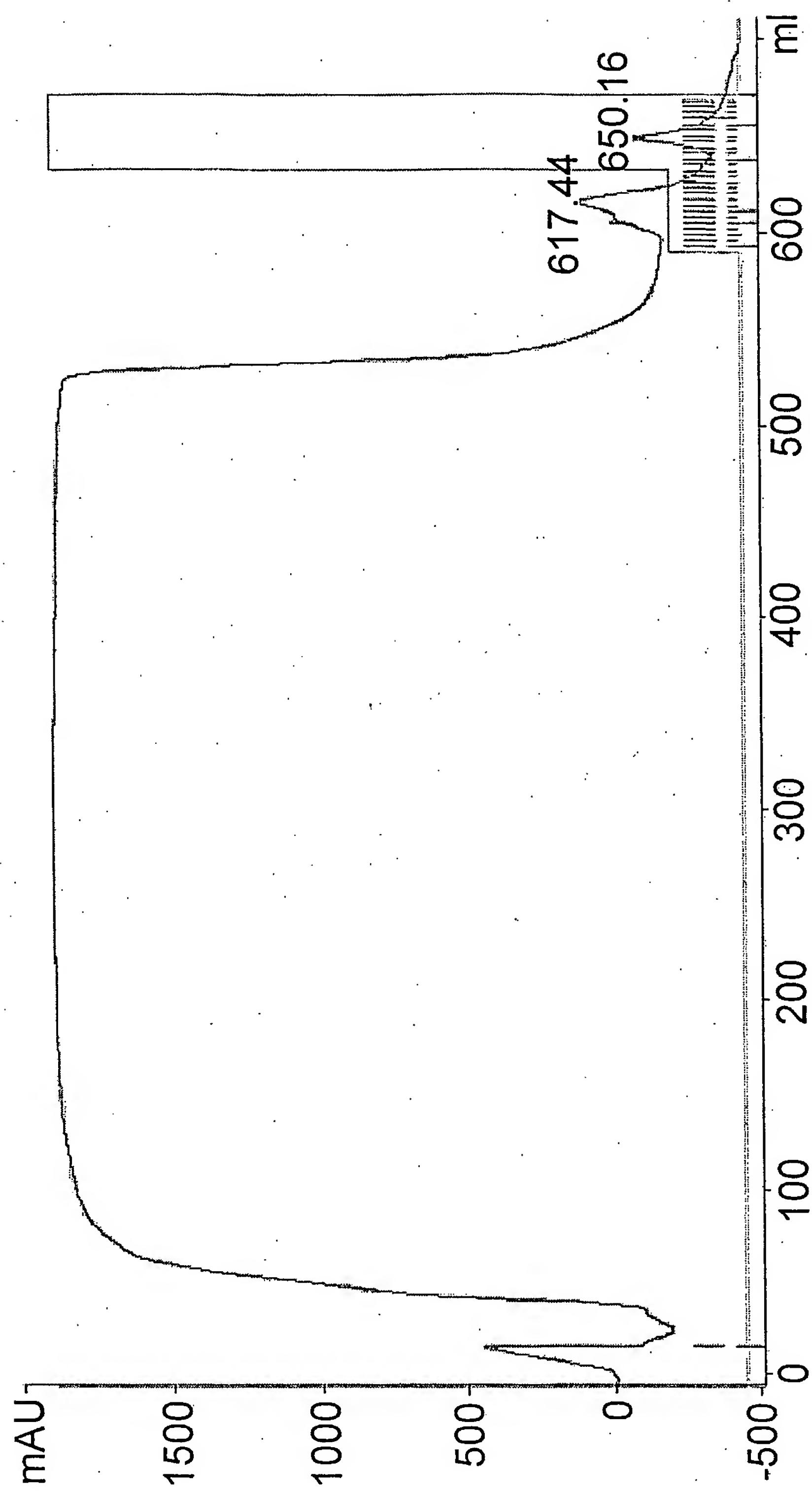
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CKASGYAFTNYWLGWVKQRPGHGLEWIGDLEFPGSGNTHYNERFRGKATLTADKSSSTA  
YFCARLRNWDEAMDYWGWQGTTVTVSSGGGSQVQLVQSGGVVQSGGSSGYTFTTRYTMHWVRQAP  
GKGLEWIGYINPSRGYTNYNQKVKDRETISRDNSKNTAELQMDSLRPEDTGVYFCARYYDDHYCL  
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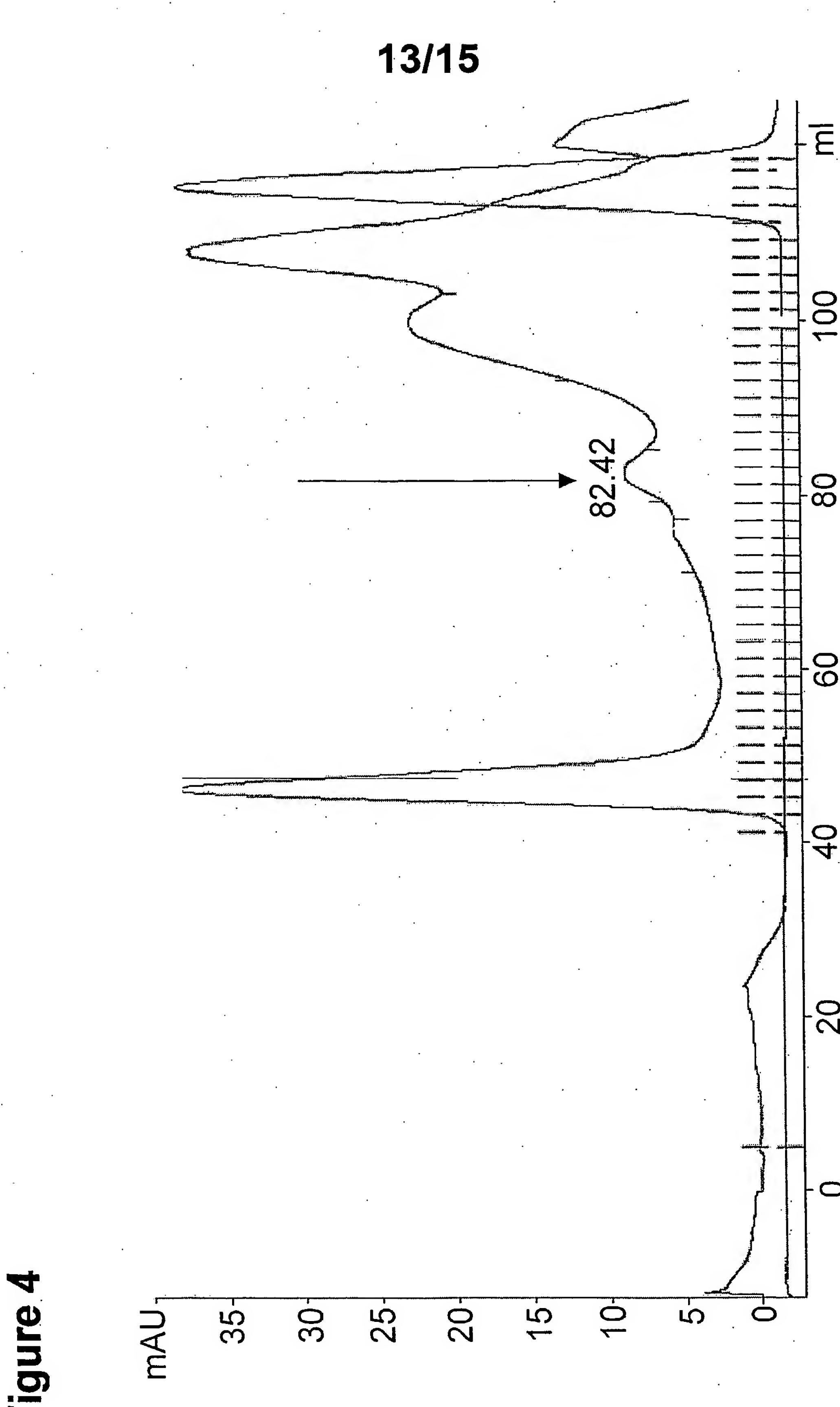




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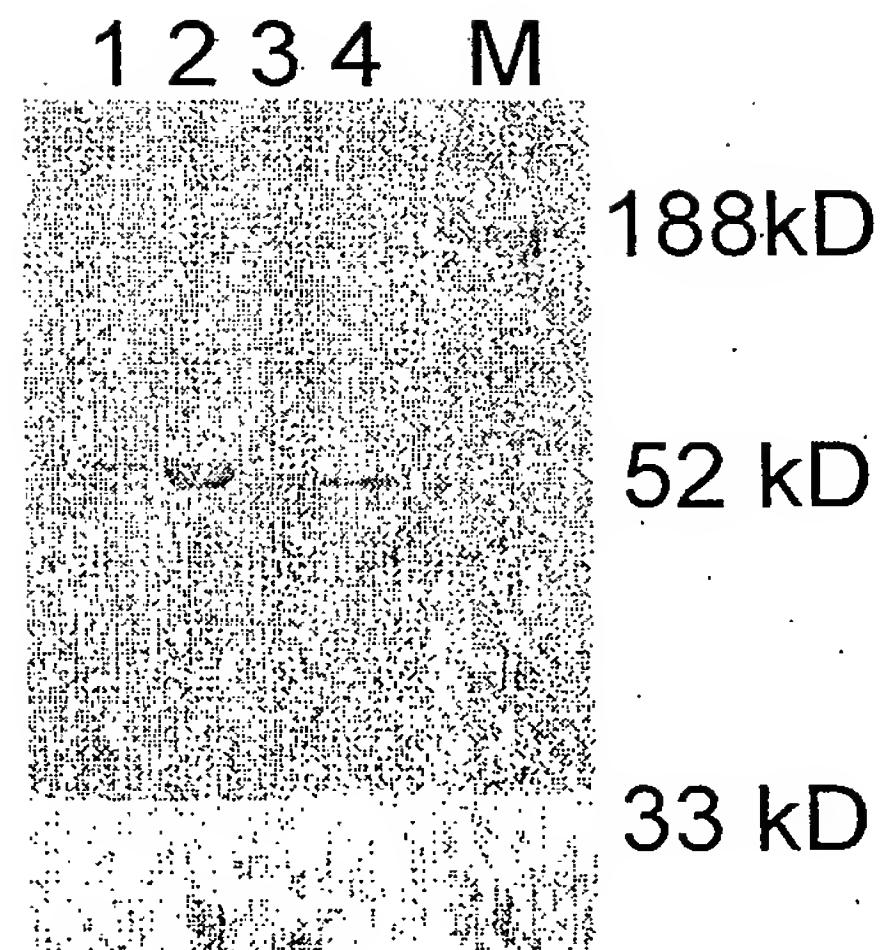
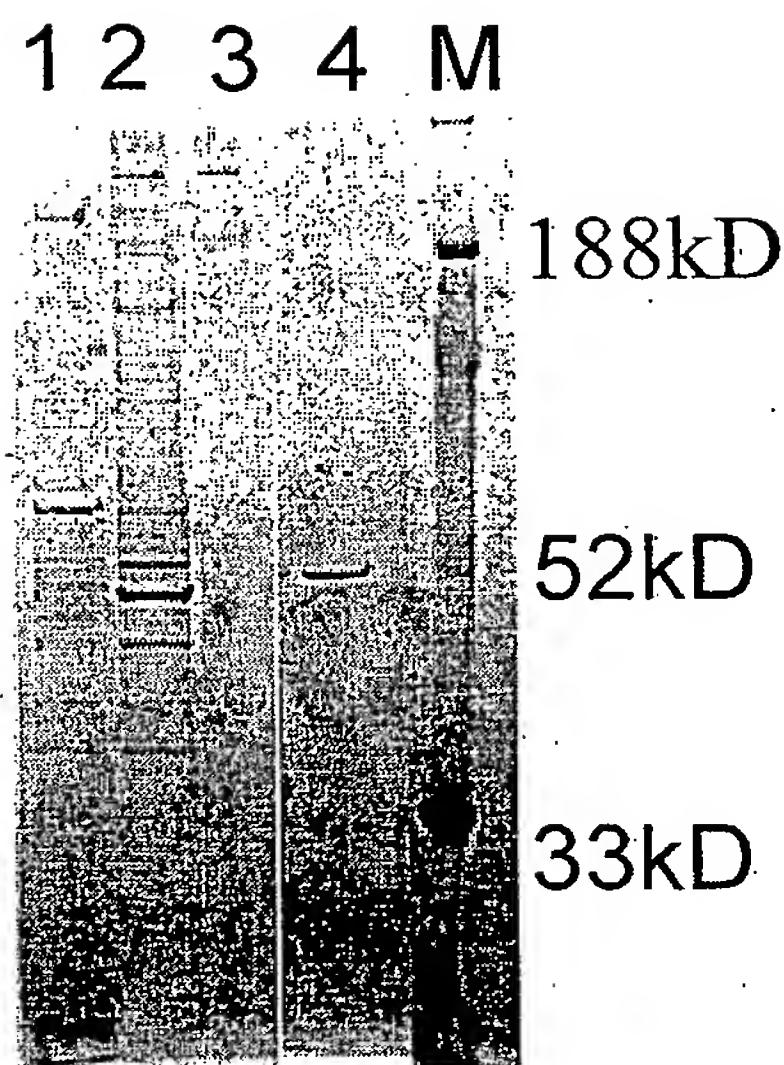
**Figure 3**



**Figure 4**

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**Figure 5**



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